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OM protein - protein search, using sw model

Run on: August 19, 2003, 15:19:15 ; Search time 42 Seconds
{without alignments}
762.603 Million cell updates/sec

Title: US-09-494-297-2

Perfect score: 3945

Sequence: 1 MKKTRFPNKLNTLNTRQVLS.....IAGISLGLGNGIHTRIRKHD 757

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310838 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*

1: /cgn2_6/ptodata/1/iaa/5A_COMB_pep:*

2: /cgn2_6/ptodata/1/iaa/5B_COMB_pep:*

3: /cgn2_6/ptodata/1/iaa/6A_COMB_pep:*

4: /cgn2_6/ptodata/1/iaa/6B_COMB_pep:*

5: /cgn2_6/ptodata/1/iaa/PCTRUS_COMB_pep:*

6: /cgn2_6/ptodata/1/iaa/bactfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	194.5	4.9	2439	3 US-09-074-658-11
2	181	4.6	728	4 US-09-074-658-11
3	178	4.5	898	2 US-09-074-658-11
4	176	4.5	905	3 US-09-074-658-70
5	161	4.1	1416	4 US-09-071-035-404
6	157	4.1	1448	4 US-09-071-035-402
7	154.5	3.9	2432	3 US-09-074-658-15
8	152	4.8	1849	4 US-09-051-567B-49
9	152	3.9	2516	4 US-09-051-567B-47
10	150	3.8	1161	4 US-09-337-530-2
11	149	3.8	2032	4 US-09-071-035-458
12	149	3.8	2032	4 US-09-071-035-462
13	149	3.8	2032	4 US-09-071-035-466
14	148	3.8	1183	2 US-09-047-031A-2
15	145	3.7	1112	2 US-08-714-402-2
16	142.5	3.6	627	1 US-08-703-947-2
17	142	3.6	930	4 US-09-134-001C-5314
18	139	3.5	1231	4 US-10-011-365-10
19	139	3.5	1265	4 US-09-071-035-418
20	139	3.5	2366	1 US-08-80-60A-10
21	139	3.5	2366	2 US-08-05-496A-10
22	139	3.5	2366	3 US-08-915-136-10
23	139	3.5	2366	4 US-08-957-310-10
24	139	3.5	2366	4 US-10-010-365-10
25	138.5	3.5	625	4 US-09-092-064-2
26	138.5	3.5	894	2 US-08-767-941-15
27	137.5	3.5	2522	3 US-09-251-645-13

ALIGNMENTS

RESULT 1

US-09-074-658-11

; Sequence 11, Application US/09074658

Patent No. 6184371

GENERAL INFORMATION:

APPLICANT: Loomore, Sheena M

APPLICANT: Run-Pan Du

APPLICANT: Quiljun Wang

APPLICANT: Yang, Yan-Ping

APPLICANT: Klein, Michel H

TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA

NUMBER OF SEQUENCES: 78

CORRESPONDENCE ADDRESS:

ADDRESSEE: Sim & McBurney

STREET: 6th Floor, 330 University Avenue

CITY: Toronto

STATE: Ontario

COUNTRY: Canada

ZIP: M5G R7

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/074,658

FILING DATE: 08-MAY-1998

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Stewart, Michael T

REGISTRATION NUMBER: 24,973

REFERENCE/DOCKET NUMBER: 1038-795

TELECOMMUNICATION INFORMATION:

TELEPHONE: (416) 595-1155

TELEFAX: (416) 595-1163

INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:

LENGTH: 2439 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

US-09-074-658-11

Query Match 4.9%; Score 194.5; DB 3; Length 2439;
Best Local Similarity 18.6%; Pred. No. 2.3e-06;
Matches 180; Conservative 128; Mismatches 328; Indels 331; Gaps 44;

QY 4 TRFPNKLNTLNTRQVLSKNSKRFTVTLVGVFLMIFALVTSWGMGAKIVFGLVESSTPNAIN 63

Db 79 TDPNGDNQLTQ-----RQKTAAGFFVM-----GKIRDTSKPN-D 115

ENTROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS

NUMBER OF SEQUENCES 7310

QY 64 PDSSE--YRWG -YESVVRGH-----YIKQERVAHDLRVLN 98

Db 116 PDYSNDLWDOWOGKLYVGDAHRPGIGTKNLRQPITANDIKPLYNFEPALSDLHLS 175

QY 99 EGSRSYQVVCFLNKKAFPLGSDSSVKK- WYKKHDGISTRFEDYAMSP-----RTT 147

Db 176 ERHR-FDPKKINTIKVYGNLTTPSKNNYINHQADNNKNNKPVDPPENIRGYLEQ 234

QY 148 GDELMQK-----LRAYMYNHPONANGIMGLEP----- 178

Db 235 GSSLTQRNADTPNDKDRPKMPMILFYHG- ENASSQLSAGKENYTGWLWLSDVKKRP 292

QY 179 AIRVTOEAWWYSDNAPISNPDESPKRESNLVTSQSL----- 219

Db 293 ALSASDDRVGVYLNAGSKN-----EGDVVSAHAHTYLNGFOYKHTPATYQVFDTN 343

QY 220 -MRQALKQOLIDPNLATKMPKQVPDF-----QLSIFFSEDK -GDKNKGKGYONLLSG 269

Db 344 SLTGKLSSVYVNPQNQTAQSKYIKSQFDTTKVNEDYQIDAKINGNRVGTAKSLVNEN 403

QY 270 L-----VPTKRPPTGPMPMPNPQPTSVLIRKYATGDSKILEGATLQLQGDNVIS 321

Db 404 TETAPFIKEFSKKANPNP- NPN-----SDTLEGFFYGESEDEL- 442

QY 322 FQARYFSSND-----IGERIELSGTYTULNEPLSPAGYSSIAEPITFKYAEKYTLIDC 375

Db 443 --AGKFLSNDNASYVVFGSKRDKTDKPVAKTVFSAGFB--KPSTSFVNETIGRINS 498

QY 376 KQIEPNKKEVE---PSYSEAYNDF---EEESVLTQN-----YAKFYAK 415

Db 499 KQLNDAVNEKIDGNTDPTDERYBFPWEEKAAETKKYSSSTQAVPAYFGQHDKFYF- 556

QY 416 NKNGSSQVVCFLNADLKSPPDSEDGKTMPPDFITGEV----- 453

Db 557 --NGWYDLSASSVDKLAPADAVKANQSIKEKYPATLKDQNTAIVLQEAKONKPTA 614

QY 454 ---RYTHIA-GRDLF-----KTYVKPRDTDPDTLKHKKVI----- 486

Db 615 IRAKSYOHSFGETLYNDANQTPTRSYFWOGGRADTSTTLPKAGKFTYGLWAGYLIOK 674

QY 487 EKGYREKGKAIEYSG----LTEROLRATAQIAYT----- DSAEDDKDKDHYGF 535

Db 675 DKGYSNNEETKKKGHQDYLTED-----FTEDDDDLTASDDSDDADHG 722

QY 536 GDMNDSTLAVAKILVEYADDSNPNPOLTDDFFIPNNNKYQSIGHTWHBPDLDVDIRD 595

Db 723 DDL-----IASDDSDDDAACGDDDDDDL - GDGADDAAGKVKHAGN---IRPEF 767

QY 596 KKEVLPV--THNLTL-----RKTVTGLAGDRTKDFHEELKNNKOELL 637

Db 768 ENKYLIPINEPTHEKFALLOCKNKAKFDDVFDNTNSLTLGKLNDERGDIVFLI--KNGKIDCT 825

QY 638 SQTYKTDKINLEFKDGKATINLKIGESLTQGLLEGYSILVKEDEDSEGKVVKVNSQEVA- 696

Db 826 GFTAKADVPNTRYEEVG---NNQDG-----GFLNUNIKDIDVKGQFFGTNGEELAG 871

QY 697 -----NATVSKTG----ITSDETLAFENKNEKPVPTGVQDKINGL--ALIVTA 739

Db 872 QLOQDGKDGSDINDTAEKAGAVFGAVKDKMSKSITKTQTPSYHTMTHRMLAIKAFLFGWA 931

QY 740 GISLGW 746

Db 932 VLPLSVW 938

RESULT 2

US-09-107-532A-4518

; Sequence 4518, Application US/09107532A

; Patent No. 658325

; GENERAL INFORMATION:

; APPLICANT: Lynn A Doucette-Stamm and David Bush

; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

OPERATING SYSTEM: <Unknown>

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/107,532A

PRIOR APPLICATION DATA:

FILING DATE: 30-Jun-1998

APPLICATION NUMBER: 60/085,598

FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571

FILING DATE: JULY 2, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Arinelli, Pamela Deneke

REGISTRATION NUMBER: 40,489

REFERENCE/DOCKET NUMBER: GTC-012

TELECOMMUNICATION INFORMATION:

TELEPHONE: (781)893-8277

TELEFAX: (781)893-8277

INFORMATION FOR SEQ ID NO: 4518:

SEQUENCE CHARACTERISTICS:

LENGTH: 728 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

HYPOTHETICAL: YES

ORIGINAL SOURCE:

ORGANISM: Enterococcus faecium

FEATURE:

NAME/KEY: misc_feature

LOCATION: (B) LOCATION 1.. 728

SEQUENCE DESCRIPTION: SEQ ID NO: 4518:

US-09-107-532A-4518

Query Match 4.6%; Score 181; DB 4; Length 728;

Best Local Similarity 20.7%; Pred. No. 4_2e-06;

Matches 147; Conservative 102; Mismatches 235; Indels 226; Gaps 37;

Db 723 DDL-----IASDDSDDDAACGDDDDDDL - GDGADDAAGKVKHAGN---IRPEF 767

QY 96 UNLRS - ESYQVVCFLNKKAFPLGSDSSVKKWKKHDGISTRFEDY-----A 141

Db 175 ISIEGNTIKSNOIY-----LGKDQEIQIHQVR - IOTENEDFHPFWYQMGRTT 223

QY 142 MSPIRTGDELNOKKARRAMYNGHPQONANGIMEGLEPLNAIRVTOEAWWYSDNAPISDE 201

Db 224 FOPNIDTNELAE-----FGIPSAKAGVSLH - KKLWEEDFNILADRDPQ 267

QY 202 -SFKEESENVLNSTSOLSLMRQALKOLIDPNLAT-----KMPKQVPDFFQ - LSI 248

Db 268 VTFEJQRE---HNTAAWKGNTIRIKPAKDTNTWERADIDKLSAHSGSESYQEJISL 323

QY 249 FESERGDKYKNGKQONLUSGGLVPTKPPPG-----DPPMPMPNQPOQTSV--LIRAYA 299

Db 324 PQYNNQGQAFS - YQTI-----KELPVPGYQSQIDMTWKNTRQFTPLNLIKNS 374

QY 300 IGDSKLEGGATLQTGDNVNSFOA-RVFSSENIGEREL-SGTYTTELNSPAGYSIS 357

Db 375 TGE - KDLGAVFKLTGDSIDTLLTDHGDTYSIUPENYVLOKEMTYLTETKAPEGHGLS 432

QY 358 EPITFKEVAGKVTI-IDK-----QIENPNEKEIVEPYSVEAYNDFEEFSVIT 405

Db 433 KKTWWEIKIASDGTVTIDQKTVTSDTQILTENPFEV - PVAVRYYAMQGTDKEINL 490

QY 406 ONYAKFYAKNKNGSSQVVCFLNADLKSPPDSE--DGGKTMTPDFTGEVKYTHIAGR 462

Db 491 KGAFAESLOQKEKANGTQ-----PDSQTNEKGLASFDSLTPGKRVVERAGPA 539
 Qy 463 LFKYTKPRDTPDTLKHVKVIEKGYRELGQAFTFYSGLTETQLRAATQALAIYFTDSA 522
 Db 540 GY-----DTSPGNYEFOQD-----GKII-YTGKVNEMTNVNWLTHONRLKF 583
 Qy 523 ELDKDLKDYHFGMDNSTLAVAKILVEYAQDSNPPOLTDFFIPNNKYOSLIGTOW 582
 Db 584 DLTVHKED-----NGOTLKGAKRLO-----GPEM DLE----- 612
 Qy 583 HPELDLVDIRMEDKKKVIVPVTNLTRKTWTLAGIERTKDPHFETELKNINKQELLSQTVK 642
 Db 613 SPKD-----GOETDPLFE----- 626
 Qy 643 TDKTNBKFDSKATILKHGE-SLTQGLPCEGYSL-----VKTDSSEGYKVUNSOEVANA 698
 Db 627 -----NPKGTYTLPETFTPEGYOGK-----KEPVITVHEDGSTQVDGDD-----HE 669
 Qy 699 TWSKTSITSDB-TLAPEIN-----KEPVITVHEDGSTQVDGDD-----HE 746
 Db 670 SVLSFCAKNNQISLDTNQAKVPLPTEGGIGRGLGY-----LVGMIGCFSIW 717

RESULT 3
 US-08-867-941-11
 ; Sequence 11, Application US/08867941
 ; Patent No. 597337
 ; GENERAL INFORMATION:
 ; APPLICANT: Loosmore, Sheena M
 ; APPLICANT: Du, Run-Pan
 ; APPLICANT: Wang, Qijun
 ; APPLICANT: Yang, Yan-Ping
 ; APPLICANT: Klein, Michel H
 ; TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
 ; NUMBER OF SEQUENCES: 67
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sim & McBunney
 ; STREET: 6th Floor, 330 University Avenue
 ; CITY: Toronto
 ; STATE: Ontario
 ; COUNTRY: Canada
 ; ZIP: MSG 1R7
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/867,941
 ; FILING DATE: 03-JUN-1997
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Stewart, Michael I
 ; REGISTRATION NUMBER: 24,973
 ; REFERENCE/DOCKET NUMBER: 1038-681 MIS:jb
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (416) 595-1155
 ; TELEFAX: (416) 595-1163
 ; INFORMATION FOR SEQ ID NO: 11:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 898 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; US-08-867-941-11

US-09-074-658-70
 ; Sequence 70, Application US/09074658
 ; Patent No. 6184371
 ; GENERAL INFORMATION:
 ; APPLICANT: Loosmore, Sheena M
 ; APPLICANT: Run-Pan Du
 ; APPLICANT: Qijun Wang
 ; APPLICANT: Yang, Yan-Ping
 ; APPLICANT: Klein, Michel H

RESULT 4
 US-09-074-658-70
 ; Sequence 70, Application US/09074658
 ; Patent No. 6184371
 ; GENERAL INFORMATION:
 ; APPLICANT: Loosmore, Sheena M
 ; APPLICANT: Run-Pan Du
 ; APPLICANT: Qijun Wang
 ; APPLICANT: Yang, Yan-Ping
 ; APPLICANT: Klein, Michel H

Db 79 TTDPNGDNQNLQT-----AQKTAAGAEFWM-----GKIRDTSPKND 115
 Qy 64 PDSSSE--YRWG--YESYVRGHP-----VYKQFRVAHDLRVNL 98
 Db 116 PDSNLDLQVQWQGKLVGDAHRRPDGTGTGKLNLRQPITANDIKPLYFNKFPLSOLHLDs 175
 Qy 99 EGSRSTQVYCINLKKAFLGSDSSVKK-----WVKHDGISTKEDYAMSP-----RIT 147
 Db 176 FDPPKLNTIKVYGYGNTTPSKNNITYNHQODNKNPKPVDPYENIRFGELEQ 234
 Qy 148 GDELNOK-----LRAVMNGHPOANGTMEGLEPLN----- 178
 Db 235 GSLLTQKNADPNKDORIPKMPILYHG-----ENASSOLPSAGKFNTGNWILSDVKKR 292
 Qy 179 ATRVTOEAWWYYSDNAPISNPDESFKRESESNLVSTSQL----- 219
 Db 293 ALSASDRDRVGVYLNASGKSNS-----EDGVVSAHHIYLNGFOQYKHTPATYQVDFDTN 343
 Qy 220 -NRQALKQLIDENLATKMPKQVPPDR-----QISIFESDK-----GDKYNGQYQNLSSG 269
 Db 344 SITGKLSVYDNPQNQTAQGKVIKSQDTKWW----- 403
 Qy 270 L-----VPHKPPTPGDPPPPPQDQTTSVLIRKAYGDYSKLIEGATLQLTGDNVS 321
 Db 404 TFTAPFKELISSKKAMNNP-----NPN----- 442
 Qy 322 FQARVFSSND-----IGERIELSDFYTLTELNPSAGYSAEPITFKVEAGKVYIIG 375
 Db 443 -AGKFLSNDNASYVFGKRDKTDRKVATKVVYFSGAFFE-----KPSFVDMETIGRIINS 498
 Qy 376 KOIENPKETE-----PYSVIAYNDE-----EEFSVLTON-----YAKFYAK 415
 Db 499 KKLNDAVNEKIDNGDPTSDERYDERPWGEKKAFTKVVSSSTQAVPAYFCQHDKFYF----- 556
 Qy 416 NRNGSSSWVYCFRNADJSPPSEDGGKTMTDPFTGEV----- 453
 Db 557 --NGNYIDLSASSSVDKLAPADAVKANOSTIKYPNATLNKDNQVIAVLOEAKDNKPYTA 614
 Qy 454 ---KTHIA-GRDLF-----KTYVKRPFDTDPDTFLKHKKV----- 486
 Db 615 IFRAKSYOHISFGETLYNDANOPTPRTSYFVGGRADRSTTLPKAGKFTYNGIWAGYLIOKK 674
 Qy 487 ERYGREKGQATEFYSG-----LITEQIRATAOLAIYFT-----DSAELODKDKLHYHG 535
 Db 675 DKGYSNNEETIKKKGHQDYLIED-----FTPEDDDDLTASDSDQDDAHG 722
 Qy 536 GDMNDSTFLAVAKILVEYAQDSNPPOLTDFFIPNNKYOSLIGTOWHPEPDLDVIRMED 595
 Db 723 DDL-----IASDSDQDDADGDDSDNL-----GIGADDAAAGKVYHAGN-----IRPEF 767
 Qy 596 KKEVIPV-----THNLTL-----RKTIVGLAGRDRKDFHETELKNINKOELL 637
 Db 768 ENKYLPINEPHTEKTFALDKNKAKEFDVDFDTNSTLTKLNDERGDIVEDI-----KNGKIDGT 825
 Qy 638 SQPVKDTKNTLFKDKGKATINLKHGE-SLTQGLPCEGYSLVKEKTESEGYKVUNSQEVA----- 696
 Db 826 GFTAKADVPNPFREEVG-----NNQGG-----GFLYNIKIDVKGQFFGTNGEELAG 871
 Qy 697 -----MATVSKTG 704
 Db 872 QIQQDKGDGINMTAERAG 889

TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
 NUMBER OF SEQUENCES: 78
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sim & McBurney
 STREET: 6th Floor, 330 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: MSG 1R7
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patient Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/074,658
 FILING DATE: 08-MAY-1998
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Stewart, Michael I
 REGISTRATION NUMBER: 24,973
 REFERENCE/DOCKET NUMBER: 1038-795
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 595-1155
 INFORMATION FOR SEQ ID NO: 70:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 905 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 ; US-09-074-658-70

Query Match 4.5%; Score 176; DB 3; Length 905;
 Best Local Similarity 20.6%; Pred. No. 1.5e-05;
 Matches 164; Conservative 102; Mismatches 264; Indels 266; Gaps 40;

QY 84 YYKQFRAVADLRLVNLEGSRSYQVCFNLKA---FPGLSDSVKK---WYKKHDCI 133
 || : | || | || | || | : | || | : | || | : | || | : | || | : | || |
 Db 165 YFDKFKPSIDL-HLENSE---HVDAKKANNIKIYGALSSPAKNPTMNYCOEONI 218
 QY 134 STK-FEDYA---MSPRIT---GDELNOKLRRAWMYNG---HPQNANGIMEGL 174
 | : | || | : | || | : | || | : | || | : | || | : | || | : | || |
 219 KNKPGDDQNRGYMLRELDLNKKGADNQSKRNRAITFTPLFVGENASTHLP-- 276
 QY 175 EPLNAIRVQEAVWVYSDMAP---ISNPDE-----SFKREBESNLVTSOISL--- 219
 Db 277 --KAGKFDFEGNWKLWYDVKRFLDKDDKGTVFNSTRKSNEGDLMSAHLYLNSTK 333
 QY 220 -----MROALKQLDPNATKMPKVQPDF-----QLSIFSESDK-- 254
 Db 334 YKHTPATYSVDFDONTLKGKLSYDNPNKQTADGRYIRSQFDTDKVNEADVYEDAKIN 393
 QY 255 GDKNKGKGYQNLSSLGL-----VPTKPPGDPMPMPNPQOPTSVLIRKYATGDYSL 306
 || : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 394 GRNRTGTAKSLLDINTNTAPVKELFSKIANPNP--DEN-----SPT 434
 QY 307 LEGATLQLTGDNVNSFOARVFSSNDI-----GERIELS-DGTYLTTELNSPAGYIAMP 359
 Db 435 LEGGYGESESDL---AGKFLSNNDNATVVFGGSKRDKTEPVAKTVVFS-TGF--FP 487
 QY 360 ITFKEAGKVVYTLDGK---QENPNKELVEPYPSVEANDF-----EEFSVLT 405
 || : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 488 STSFVGNELEIGSILDGKGKLNDEVNQIEDETVPSNKEYEYNYGRPNQFTKINASVQ 547
 QY 405 QNYA-----KFY-----AK-----NKGSQQVWCFCNADLKSPPDSEDDGKTMPPDT 449
 || : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 548 KNPAVFGQIDKFYENGNYDLSAKEANKAGVGSQPTSTNSILAKYDPA---KVSTDNKV 603
 QY 450 T-----GENKYHTAGDRFLKVTVPDRDPTFLK--- 480
 Db 604 TKIVLQQAOKPYTAIHASYDHISFGEVLYNDMKGNPFRSYFQGGQADVSTOLPSACK 663
 QY 681 TDSECYKVUNSQEWA 696
 Db 862 IDVKRFFGNGEELA 877

RESULT 5
 US-09-071-035-404
 Sequence 404; Application US/09/071/035
 ; Patent No. 6448043
 GENERAL INFORMATION:
 APPLICANT: Gil H. Choi
 TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
 NUMBER OF SEQUENCES: 496
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4MB storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MS-DOS version 6.2
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/071,035
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: A. Andes Brookes
 REGISTRATION NUMBER: 36,373
 REFERENCE/DOCKET NUMBER: PB369P2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 ;
 TELEFAX: (301) 309-8512
 INFORMATION FOR SEQ ID NO: 404:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1416 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-09-071-035-404

Query Match 4.1%; Score 161; DB 4; Length 1416;
 Best Local Similarity 21.1%; Pred. No. 0.00052;
 Matches 159; Conservative 104; Mismatches 326; Indels 166; Gaps 40;

QY 39 ALVTSVMGAKTVFVGIVES---SPNAINPDSSEYRWGYESVVRGHPIYKQFRVAHDLR 95
 || : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 484 SLSTPPIVGNKAIQVLSDQYIEPISVWNP-LNATETAWGNYDQ-----NGAVSSR 531
 QY 96 --VNLEDGSRSYQVCFNLKKAFA---LGSDSSVKWKRRKGTDGISTKFEDYAMSPRTG 149

APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: A. Anders Brookes
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PB369P2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (301) 309-8504
TELEFAX: (301) 309-8512
INFORMATION FOR SEQ ID NO: 402:
SEQUENCE CHARACTERISTICS:
LENGTH: 1448 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-071-035-402

Query Match 4 1%; Score 161; DB 4; Length 1448;
Best Local Similarity 21.1%; Pred. No. 0.0054;
Matches 159; Conservative 104; Mismatches 326; Indels 166; Gaps 40;

QY 39 ALVUTSMVGAKVYVFGIVES--STPRWAINPPOSSEYRWWGYESYVHGPVYKQFRVHDLR 95
Db 511 SLSTPVIGPNKAQIQLVSQDQVTEPISVNPN-LNAETAWGNYDQ-----NGAVSSR 558

QY 96 --VNLEGSRSYQVYCFLKKAFP---LGSDSSVWKWKKHDGTSIKFEDAMSRRITGD 149
Db 559 TVTSMVGSKERPIQNLIEIKVHKHPNVLSLRATKEIIFYK---LGT---DVTVPRTSDGS 611

QY 150 ELNQKLRAVMYHG-NDSLAVAKLVEYQADSNPQLT-----DIDFFIP-----NSK 569

Db 612 VIKFT'PITNBIOQIPGFNYPVDSPKDKSIPVDPITMSAEGITPVDTVT--NSK 668

QY 205 RESENVLVSTSLSIMROAQLKOLIPNLAATKMPKVDPDDQLSIFEREDGKDNKGYQ 264

Db 669 RGSERTLQSSKNQFLVNARNDSFDSLVRTKIPAGA -DVLFDIVSN--DQVSIYQ 1097

QY 265 LLSGGLVPTKPTPDPMP--PNPQTTSVLI----RKYAIGDYSKU--LEGATLQ 313

Db 725 YWDRGQYDFKMPTRSPGPyTPEDENTNSYTFDGKTNKRYII-EYKANGWIDVPTLY 783

QY 314 LTG----DWNSTFOARVEFSSNDTGERIELSDGTYTTELNSPAGYSTAEPITFVKEAG 367

Db 784 ITGTAKEPQSNINNESSASVSYN--EALDLSAT-----QANAPTLKVNKT 801

QY 368 KVYT-TIDGK--QIENPKNETVEPVSVEAYNDFEEPSVLTQNYAKFYAKNGKNSQVV 424

Db 802 TVTTKNDNKTHRVKNPTIELTPKGITNAQIDLNSTV-----KGVPEDA 846

QY 425 YCFNADLKSPPDSEOGKTMPPDFGE--VVKYHIAGRDLFKTVKPRDTDPFLKH 481

Db 847 Y-----SLEKTTNGAKVIFKDYLTLTENITIEYNTVSAANOQIYTETTIDSETLNQMSA 926

QY 482 IKKVI-----EGYREKGQAIEYSGLETQRLRATQIAIYVFTD---SAEL 524

Db 927 SKKKVTTAPITLKSEGDAVGIVYVATYHNTVHEDENQAIKVSFEILDNVTHATEF 986

QY 900 SKKKVTTAPITLKSEGDAVGIVYVATYHNTVHEDENQAIKVSFEILDNVTHATEF 959

Db 525 DRDKLKYHGFQDM-NDSLAVAKLVEYQADSNPQLT-----DIDFFIP-----NSK 1170

QY 525 DRDKLKYHGFQDM-NDSLAVAKLVEYQADSNPQLT-----DIDFFIP-----NSK 1120

Db 570 NNNKQ-----SLIGTQWHPEDVLTIRMEDKK-EVIPVHNLTIRKTGTVLAGRTKF 623

Db 1018 DHSRLQVKDSTIYVGDWKPE--NFSATDKTGQDVPE---KITYSGQVQDNXKAGV 1070

QY 624 HFEIELKNNKOELLSOTVKDTKNLFKDGKATINUKHGESLTIQCLPGESYLVKETDS 683

Db 960 TTDEKGQYSFDAIMGDTLRTVNPQEYVDEE-YLTGKAIKLVKGDNQKLPIKTKI 1017

QY 684 EGYKV--KVNSQEVAATVSKTGITSDETLAFEN 715

Db 1071 YPIISDEGGKETAVVTKPDOSKEVKD--TTIVV--GDSWK---PE--DNEVSATDK 1120

QY 1121 TGQDVPFEEKIDVQGTVN-VDKIG--DYEIVVKN 1150

RESULT 6
US-09-071-035-402
; Sequence 402, Application US/09071035
; Patent No. 644803
; GENERAL INFORMATION:
; APPLICANT: Gil H. Choi
; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
; NUMBER OF SEQUENCES: 496
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; COMPUTER: Diskette, 3.50 inch, 1.4Mb storage
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/071,035
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:

QY 150 ELNQKLRAVMYHG-NDSLAVAKLVEYQADSNPQLT-----DIDFFIP-----NSK 569

Db 669 RGSERTLQSSKNQFLVNARNDSFDSLVRTKIPAGA -DVLFDIVSN--DQVSIYQ 1097

QY 624 HFEIELKNNKOELLSOTVKDTKNLFKDGKATINUKHGESLTIQCLPGESYLVKETDS 683

Db 1098 YPIISDEGGKETAVVTKPDOSKEVKD--TTIVV--GDSWK---PE--DNEVSATDK 1147

QY 684 EGYKV--KVNSQEVAATVSKTGITSDETLAFEN 715

Db 1148 TGQDVPFEEKIDVQGTVN-VDKIG--DYEIVVKN 1177

RESULT 7
 US-09-074-658-15
 Sequence No. 15, Application US/09074658
 Patient No. 6184371
 GENERAL INFORMATION:
 APPLICANT: Loosmore, Sheena M
 APPLICANT: Run-Pan Du
 APPLICANT: Quijun Wang
 APPLICANT: Yang, Yan-Ping
 APPLICANT: Klein, Michel H
 TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
 NUMBER OF SEQUENCES: 78
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sim & McBurney
 STREET: 6th Floor, 330 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5G 1R7
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/074,658
 FILING DATE: 08-MAY-1998
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Stewart, Michael T
 REGISTRATION NUMBER: 24,973
 REFERENCE/DOCKET NUMBER: US-1038-795
 TELECOMMUNICATION INFORMATION:
 TELEFAX: (416) 595-1163
 INFORMATION FOR SEQ ID NO: 15:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2432 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-074-658-15

Query 358 EPTTFKVEAGKVVITIDEQKQIENP-NKELEVPSVEAV-----NDFEEEVSLVTQD-- 406
 Db 481 KPSSTFDVNETTIGGIIDRKGLNNHNEDEITIPSDSYGYTWGKPEKOFTKVSSCOV 540
 Query 407 -----NYAKFYIYAKKNKGSSQVYCFNAIDLSPDSECGKTMTPDFITGEV----- 453
 Db 541 PAVFGQHDKFYF---NGNYDILSASRVDKLAPDAVKANQSIKEVYPNATLNKDQWTA 596
 Query 454 -----KYTHIA-GRDIF-----KTYTKPRDTPDFTFLKHKKV 485
 Db 597 IVLQEAKDNKPYTRAKSYOHSGETLYNDANQTPRSYFVOGGRADTSITLPACKF 656
 Query 486 I-----EKGIREKGQAIEVG----LTETQRLRAATQALAYVF----DS 521
 Db 657 TYNGIWAGYLTOKKDGYSDNAETIKEKGHPGILTEN-----FTPEDDDDL 704
 Query 522 AELDKDKLKDHYGFGDMNSTLAVAKILVEYAODSNPPQLTDFFIPNNNKYQSLIGTQ 581
 Db 705 TASDSDQDNTHGDDI-----IASDSDQDDADGDDDDLL--GDGADDDAAGKV 753
 Query 582 WHPEDLDVITRMEDEKEYTIPV--TNNLTL-----RKWTWGLAGDRKTFD 623
 Db 754 YHAGN---IRPEFENKLPLINEPTHEKFALDGKNNKAFFEVDENTNSLTGKLANDERDI 809
 Query 624 HFEELERLKKNKOELJSQTVKTDKUNLEFKDGKATIINKIGESTLQGLPPEGSYSLVKENDS 683
 Db 810 VFDFI-KNGRIDGTGFTAKADVNPYREEVG---NNOCG-----GFLYNIKDIDV 853
 Query 684 EGKVKVNSQEVA-----NATVSKTG----ITSDETLAFENKEPVWVPTGVQD 727
 Db 854 KGQFFGTINGEELAQOLHDKGDGINDTAEKAGAVFAGVVKDKMSKSIKTQTPSVHMTM 913
 Query 728 KINGYL-ALIVTAGISIGIW 746
 Db 914 RLNLAIKAALFGVALPLISW 934

RESULT 8
 US-08-851-567B-49
 Sequence 49, Application US/08851567B
 Patent No. 6528484
 GENERAL INFORMATION:
 APPLICANT: Ensign, Jerald C
 APPLICANT: Bowen, David J
 APPLICANT: Petrelli, James
 APPLICANT: Faitig, Raymond
 APPLICANT: Schoonover, Sue
 APPLICANT: french-Constant, Richard
 APPLICANT: Rocheleau, Thomas A.
 APPLICANT: Blackburn, Michael B.
 APPLICANT: Hey, Timothy D.
 APPLICANT: Merlo, Donald J.
 APPLICANT: Orr, Gregory L.
 APPLICANT: Roberts, Jean L.
 APPLICANT: Strickland, James A.
 APPLICANT: Guo, Lining
 APPLICANT: Ciche, Todd A.
 APPLICANT: Sukhapinda
 TITLE OF INVENTION: Insecticidal Protein Toxins From Photorhabdus
 NUMBER OF SEQUENCES: 88
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dow AgroSciences Patent Department
 STREET: 9330 Zionsville Road
 CITY: Indianapolis
 STATE: IN
 COUNTRY: US
 ZIP: 46208
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, version #1.30
 CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/851,567B
 FILING DATE: 05-MAY-1997
 CLASSIFICATION: 514
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/063,615
 FILING DATE: 18-MAY-1993
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/395,497
 FILING DATE: 27-FEB-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 60/007,255
 FILING DATE: 06-NOV-1995
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/608,423
 FILING DATE: 28-FEB-1996
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER: US 08/705,484
 FILING DATE: 28-AUG-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 960296.93804
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 608-251-5000
 TELEFAX: 608-251-9166
 INFORMATION FOR SEQ ID NO: 49:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1849 amino acids
 TYPE: amino acids
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ;US-08-851-567B-49

Query Match 3.9%; Score 152; DB 4; Length 1849;
 Best Local Similarity 18.3%; Pred. No. 0.0043; Matches 148; Conservative 120; Mismatches 287; Indels 254; Gaps 37; Sequence 47, Application US/08851567B
 Patent No. 6528484

GENERAL INFORMATION:
 APPLICANT: Ensign, Jerald C
 APPLICANT: Bowen, David J
 APPLICANT: Petell, James
 APPLICANT: Raitig, Raymond
 APPLICANT: Schoonover, Sue
 APPLICANT: ffrench-Constant, Richard
 APPLICANT: Blackburn, Michael B.
 APPLICANT: Hey, Timothy D.
 APPLICANT: Merle, Donald J.
 APPLICANT: Orr, Gregory L.
 APPLICANT: Roberts, Jean L.
 APPLICANT: Strickland, James A.
 APPLICANT: Guo, Linling
 APPLICANT: Ciche, Todd A.
 APPLICANT: Sukhapinda, Kitisri
 TITLE OF INVENTION: Insecticidal Protein Toxins From Photorhabdus
 NUMBER OF SEQUENCES: 88

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Dow AgroSciences Patent Department
 STREET: 9330 Zionsville Road
 CITY: Indianapolis
 STATE: IN
 COUNTRY: US
 ZIP: 46268

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US 08/851,567B
 APPLICATION NUMBER: US 08/395,497
 FILING DATE: 05-MAY-1997
 CLASSIFICATION: 514

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/063,615
 FILING DATE: 1-MAY-1993

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/395,497
 FILING DATE: 28-FEB-1995

PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/608,423
 FILING DATE: 28-FEB-1996

PRIOR APPLICATION DATA:

OY 532 YHGFDDMNDSLAVAKTIVLEYAQDSNPQLTDLFETPNINK---YOSLIGTQW---- 582
 Db 1322 VSG---NTSGLNQGRLL--FRDRTYP---SKVEAWIPGAKRSLTNNAATGGDDATDSL 1373
 Oy 583 -HPEDVLDIIRMEKKVI---PVTHNLJL---RKTVTLAGDRKDFHFE----- 626
 Db 1374 NKPDDLKQYIFMDSKQTADVSQGPVETNTAISPAKVQVITVKAGGEQFTADKDVSIOP 1433
 Oy 627 -----IELKNNKQELLSQTVKDTNLER-KDG-----ATINIKHG 662
 Db 1434 SPSEDEMNYQFNALEIDGSGLAFINNSASIDVTFATAEGERKLGYESFSIPTVLUSTD 1493
 Oy 663 ESLTLOGLPEGSYSLVKETDSEGYKVNS---QEVARATVSKTGITSDELAFFENKE 718
 Db 1494 NALTINHNENGQYM---QWOSYRFLNTLEFAROLVARAT--TGIDTILSMETQNIQE 1546
 Oy 719 PVVPPTGVOKINGYALIVLIVGISLGIWG 747
 Db 1547 P-----OLGKGFYATEVIPPYNLSTHG 1568

APPLICATION NUMBER: US 08/705, 484
 FILING DATE: 28-AUG-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Seay, Nicholas J
 REGISTRATION NUMBER: 27386
 REFERENCE/DOCKET NUMBER: 960296.93804
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 608-251-5000
 TELEFAX: 608-251-9166
 INFORMATION FOR SEQ ID NO: 47:
 LENGTH: 2216 amino acids
 TYPE: amino acids
 TOPOLGY: linear
 MOLECULE TYPE: protein
 US-08-851-567B-47

Query Match 3.9%; Score 152; DB 4; Length 2516;
 Best Local Similarity 18.3%; Pred. No. 0.007; Matches 148; Conservative 120; Mismatches 287; Indels 254; Gaps 37;

QY 157 AVMYNGHPNANGTMEGLPLNATRVTOQ-AWVYSD-----NAPISNPDESFKESE 208
 Db 884 AQQLNVAPOCVSAL-YKLYQSKRTPYQAQWENAGVLTAGLNSSQQANTHLAFLDRE 942

QY 209 SNLVST--SOLSLMRQALKQ----LIDPNLA---TKMPQVDDDFQI---- 246
 Db 943 SAALSTYYTIRQVAKAAAKSRDDLYQYLIDNOVSAAKTTRIAEAIA-SIQLYVNRL 1001

QY 247 -SIESEDKG-----DKYNGKYQNLISGGLVLPTPRTPTGDPMPNPQOPTSVI 295
 Db 1002 ENVEENANGGVISROFFINDKVKRYSTWAGVSQQLVPPENYDPTMIGQTTRMALL 1061

QY 296 RKYA-----IGDYSKLLGATLDTGDNNSFOARVF---SSNDIG- 334
 Db 1062 QSVSQSQLMADTVEDAFMSKLTSEBQVANLVVISAYHDINNDGGLTTIGLSFTDAGY 1121

QY 335 -----RIELSGTYTL-----EINSPAG--VSIAEPITFVEAGKVYI-IDGKOE 379
 Db 1122 YWRSDVHSKENDGKFAANAWSEWHRKIDCPINPYKSTIRPVYK--SRLYLLWLEOKET 1178

QY 380 NPNKEIVEY'SVEAYNDFE-----EFSLVTION-----YAKF 411
 Db 1179 KOTGNSKDQYQETDRTYRELKAHTRYDCTWNTRPTEDWKKISELKLEKNRAPGLYCAG 1238

QY 412 YYAKN-----KQSSSQVYVCNFADLKSPPDSEDGKTMPT----- 446
 Db 1233 YQGEDTLLMFYNOQDTLDSYKNSMKGXIF ADMAS-----KDMPTEQSNVYRDN 1289

QY 447 -----DFTGEVKYTHIAGRDLKYTVKPRDTP 475
 Db 1290 SYQOFTDTNNVRVNRVNRYADEVYIPTSSVRSRKYCGWGDYVYLSMVYNGDPTINYKAASSD 1349

QY 475 DTFLIKHKIKVIEKGY---REKGAIYEGLTEQQLRAATQALATYFTDSAELDKKLKD 531
 Db 1350 KIVYSPKLRIITHNGEYOKRNOCNLNMKYGKLGDKFIVYTSLGVNPNNNSKLMFYPVQ 1409

QY 532 YHGFQDMNISTLAVAKILVEYAQDSNPPOLTDLDFFINNNK---YOSLIGTOW--- 582
 Db 1410 YSG---WPSGLNQGRU--FHRTTYP--SKYEWICPAKRSLTQNQNAIGDYATSSL 1461

QY 583 -HPEDLVDTIRMEDKKEVI---PVTHNLT--RKWTYGLAGDRTKPFHFE----- 626
 Db 1462 NKPDDLKQYIFMTDSKGTAIDVSGPVEIMTAISPAKVOIIVKAGKEQFTADKDVSIQP 1521

QY 627 -----TELKNKQELLSQTYTDKINLF-KDGK-----ATINKHG 662
 Db 1522 SPSPDEMNYQFNALBEIDGSGLNFINNSASIDUTETAFADBDGKRYGYESRIPVILKVSND 1581

QY 663 ESLTIQGLPREGSYLKVETDSEGYKVVS---QEVANATVSKTGTTSDETLAFENNE 718
 Db 1582 NALFLHNHNGAQVM---QWOSYRTRENTLFARQLVARAT--TGIDTILSMETQNE 1634

QY 719 PVVPGVVDQKINGVIALIVIAGISIGIWG 747
 Db 1635 P-----QLGKGFATFVIPPYNSTHG 1656

RESULT 10
 US-09-327-536-2
 Query Match 3.8%; Score 150; DB 4; Length 1161;
 Best Local Similarity 19.9%; Pred. No. 0.003; Matches 191; Conservative 121; Mismatches 326; Indels 324; Gaps 51;

QY 21 KNSKFPTVILV-GVFLMT---PALVSMVGAKTVFGLVESSTPPAINPDSSSEYRN-- 72
 Db 112 KTSRHWTVTYWENGTYKLVENPVNGEELISKAGSKDV----SSSLOLENPKMSVWSVSKGK 166

QY 73 ---YGYESTVRGFIY-----KQ-----FRVADLRLVLEGSSYQVCF 109
 Db 167 TEVSSGAADFYRNHAFKMSFEKKQDKSETINPGDTFVLQDRLRNLPKG----- 217

Db 110 NLKRFP-----LGSDSVVKWWKKHDCISTKRDY----- 141

Db 218 -ISODIPKITYDANSANPLAIGKYLAEAHNHOIYIFTDYTAGLDKVQVQSLAELSLELENKEVL 276

Qy 142 -----MSPRINGDELNOK--LRAMVNGHPNANGIMEGL---EPNLAIRVQE 185
 Db 277 ENTSISNFSTIGQEOITYKGTQVNVLYGNESTKESNYINTGLSNGVGSIESYN--ETGE 334

Qy 186 AVWYSDNAPISN-PDESIK-----RESENIVSTSOLSLMRQALKOLIDNLTAKMP 237
 Db 335 FWFWVVVNENRNTNPYATNWLGFGRARSNTSDLENTANSSAELGETQVYVEPEGEKL 394

Qy 238 KQVDP-----FQLSIFSEDKGD-YNKGY----- 262

Db 395 SSYGDVTKLRLRIDITAGLNGFQMQRKORIDEENNQNKATIKVIGKTDSGGKPLWV 454

Qy 263 -QNLIS-----GG-----LVPTKPPTGDPMPNPQOPTSVLIRYA 299
 Db 455 QSNLASFRAFGEASEYAAFTPVQVGNVYFQNEALSPSKSGSGKSF--TRPESITVANLKKVA 512

Qy 300 IGDXKL-----LEGATIQLTQDGNVNSQARVFNSDICE-- RELSDGTYLTELNSP 351

Db 513 OLREKKMSTDUNVPLPEAFLERLSSNGS-QKLEASNN----- 571

Qy 352 AGYS-----IAEPIT-----KVEAGKVYTDIGQ--IENPNKETVE 387

Db 572 KGKQVOTEKLATVWDTKPAEENWTGSPHSSVVKVEANKEVIVNHKETLFGSKKIWE 631

Qy 388 PYSVAYNDFEEFSVLTQNYAKYVAKNKGSSQVVCFNADLKSPPDSEDGKTMPPD 447
 Db 632 -----NDRPD----QRPKQVQVQOLLQNGO-----KMPNQIE---VTKD 663

Qy 448 FTGEGVKYTHIAGRDLKYTVKPRDTPDPTFLKHKKVIEGYGREKGAIETSGLTETQL 507

NUMBER OF SEQUENCES: 496
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Human Genome Sciences, Inc.
 STREET: 9410 Key West Avenue
 CITY: Rockville
 STATE: Maryland
 COUNTRY: USA
 ZIP: 20850
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 COMPUTER: HP Vectra 486/33
 OPERATING SYSTEM: MS DOS version 6.2
 SOFTWARE: ASCII Text
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/071, 035
 FILING DATE:
 CLASSIFICATION:
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: A. Anders Brookes
 REFERENCE/DOCKET NUMBER: 36, 373
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (301) 309-8504
 TELEFAX: (301) 309-8512
 INFORMATION FOR SEQ ID NO: 462:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 2032 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-071-035-462

Query Matchⁿ Similarity 3.8%; Score 149; DB 4; Length 2032;
 Best Local Matches 178; Conservative 117; Mismatches 330; Indels 310; Gaps 44;

QY 19 LSKNSKRFVTVLQVFLMFALVTSW-----GATIVFG-----LVESTTPNAl 62
 Db 1098 LKKTAMDETTLAGAHFOIWDQAKTOVLREGTDATGVITFGLPQOGOY ILVETKAP-- 1154
 QY 63 NPDSSSEYKWWIGYESIVRQHPPYKQFRVHLRNLEGSSRSYQYCFCNIKKAFPLGSUSS 122
 Db 1155 -----EGTYVSDELAAGRVTIDEEPSAEGQDQ-TIKKNVNLKEMLDEK 1200
 QY 123 VKKW---TRKHGDGSTK---EDYAMSRSITGDELNQKLRAVMNGHQNANGIME--G 173
 Db 1201 GKKLVNARKLEHAVTTPTTHWEEVPLADRT-----NANQOLEVS 1242
 QY 174 LEP-LNATHRTQEAWWYLSNDAP-----ISNPDESKRESNS 210
 Db 1243 LKPGLYQFETEAPPIGYLLDTTPRFTIVQNTSGQIRDHVHKMLNYQGSAELIKKDQAGN 1302
 QY 211 LVSIISQLSM--RQALKO--LIDPNLATKMPKQVDPDEOLSIFSEEDKGDKNGYQML 265
 Db 1303 PLAGAEFSVLDTGQAVRHLVSDANGKVTVTDLAGPKYQF---VERKAP----- 1349
 QY 266 LSGGLVLPTRPPTPQDPMPNPQQT-----TSLVLRKYYAIDSYSKLEGATQ 313
 Db 1350 -AGYLINTEPSAFTIASDRGKPATVIAITANFVNQGTTAKLIKDVNG--HLLSGATFF 1405
 QY 314 LTGNVNNSPQARFSSNDIGERI--ELSGTIVLTELNSPAGSI-AEPITFKV--EAG 367
 Db 1406 VLDKGETITQTL--TNNINGEIVAEHLAFAKGKRYREVETKPTGVLINTTFVPEELAENAG 1464
 QY 368 K-----VTTIDGKQIEMENKEIVEPVSEAYNDFEERSVLTQNYAK-- 410
 Db 1465 KPAVVAWSNFVSKGAFOQIKINSADOPLAGAV---FELY-DHNKOSLGITATSGKG 1519
 QY 411 -----FVYAKNK----NGSSOWVYC-----FNADLKSPPDSEDGCKTMTPDF 448

RESULT 13
 US-09-071-035-466
 ; Sequence 466, Application US/09/071035
 ; Patent No. 6448043
 ; GENERAL INFORMATION:
 ; APPLICANT: Gil H. Choi
 ; TITLE OF INVENTION: Enterococcus faecalis Polynucleotides and Polypeptides
 ; NUMBER OF SEQUENCES: 496
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Human Genome Sciences, Inc.
 ; STREET: 9410 Key West Avenue
 ; CITY: Rockville
 ; STATE: Maryland
 ; COUNTRY: USA
 ; ZIP: 20850
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
 ; COMPUTER: HP Vectra 486/33
 ; OPERATING SYSTEM: MS DOS version 6.2
 ; SOFTWARE: ASCII Text
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/071, 035
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: A. Anders Brookes
 ; REFISTRATION NUMBER: 36, 373
 ; REFERENCE/DOCKET NUMBER: PB369P2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (301) 309-8504
 ; TELEFAX: (301) 309-8512
 ; INFORMATION FOR SEQ ID NO: 466:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 2032 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

Db 1520 KIIFPDLAPGTYYKEIKAPKLPGDADYIYPPELVKVEIRGDFKGDPET-----F 1569
 Qy 449 TTGEVKYTHIAGRDEFKVVKPRTDPPDFLHKHVKVKGYR-----ERGQAI-- 497
 Db 1570 QLG-A-FANFKGRAYEKKIDANAPLGKFLKR--INGEKIFFEREVTAEDKGSLAME 1625
 Qy 498 -----EYSGLTETQLRATOLAIYF---TDSAEIJDKDLYHD-FG--DMND 540
 Db. 1626 DLGRGSYELDLDATDGIVVNKOPIYVVKNSNDQPIDELEVNQAEVMGRKVNQG 1685
 Qy 541 STLAVAKILVEYAQDSDNPRLTDIAPPFIPNNKYG----- 576
 Db 1686 QTLAGAVFAIYNADEQONOPGSPITFLNRAGEKVESITDKTGEIYAKGLNEGHYLVET 1745
 Qy 577 -----LIGQWHFEDLVDITMEKKVEPVHNLTRKTGVTLAGDQTKDFHEIEK 630
 Db 1746 KAPTYGLDPTLHP--FDVTAQLGKEQJALGDLINYOGA-----QLTKE 1789
 Qy 631 NNKQBLLSQTV- KTDKTNLEFKDQKATI-NLKHCESLTQGLPEGY-----SVL 678
 Db 1790 NETGEGALASAVFKVIDEIG-OVTQGQTNMSDKQGVIAKLNAPGTYREVETQAPTSYL 1848
 Qy 679 KETDSEGYK----- 698
 ;-----VKNVSQEAVNA-----
 Db 1849 NETPSASFTIKAQDNGKPATVWLKAPFINVQGAALKVKDQQRNALLAGEFKVTDAETQ 1908
 Qy 699 TVSKGITSDETLAFFFENKEPVVPTGDKI-NGY 732
 Db 1909 TVARSRLSDNQGLVQVNHQPGKTTFVENTKADY 1943

US-09-071-035-466

Sequence 2, Application US/08447031A

Patent No. 5831794

GENERAL INFORMATION:

APPLICANT: HOOK, Bengt

APPLICANT: JONSSON, Hans

APPLICANT: LINDBERG, Martin

APPLICANT: PATTI, Joseph

APPLICANT: SIGNAS, Christier

APPLICANT: SWITALSKI, Lech

TITLE OF INVENTION: A COLLAGEN BINDING PROTEIN AS WELL AS

TITLE OF INVENTION: ITS PREPARATION

NUMBER OF SEQUENCES: 8

CORRESPONDENCE ADDRESS:

ADDRESSEE: Burns, Doane, Swecker & Mathis

STREET: P.O. Box 1404

CITY: Alexandria

STATE: Virginia

COUNTRY: United States

ZIP: 22313-1404

COMPUTER READABLE FORM:

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC DOS/MS DOS

SOFTWARE: Patent Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/447,031A

FILING DATE: 22-MAY-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/861,804

FILING DATE: 22-OCT-1990

ATTORNEY/AGENT INFORMATION:

NAME: McCowan, Malcolm K.

REGISTRATION NUMBER: 39,300

REFERENCE/DOCKET NUMBER: 012889-006

TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 836-6620

TELEFAX: (703) 836-2021

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 1183 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-447-031A-2

Query Match 3.8%; Score 148; DB 2; Length 1183;

Best Local Similarity 19.7%; Pred. No. 0.0045; Mismatches 299; Indels 252; Gaps 44;

Matches 165; Conservative 123; Mismatches 299; Indels 252; Gaps 44;

Db 1746 KAPTYGLIDDTLHP---FDVYAOGLKEPOPIALGDLNIVGTA-----OLTE 1789

Oy 631 NNIKQELLSQTW-KTDKTNLEFKDGKATTI-NUKHGSLSITLQGLPEGY-----SYLV 678

Db 1790 NETGEALAGAVFKVIDTG-QTVQDGQTNLMDQKGKVIAKLNQALPGYTFRVTQAPISYLL 1848

Oy 679 KEDSEGYK-----VKVNSQEVANA----- 698

Db 1849 NETPSASFTIAKDQNQGPATVVLKAPPINYOGAAKLVKDQOKNALAGAEFKVDAETGQ 1908

Oy 699 TYSKGTGTSDELAFFENKEPVPUPTGQKI-NGY 732

Db 1909 TVARSLRSDNQGIVQVNHQPCYTFVETKAPDGY 1943

RESULT 14
US-08-447-031A-2

QY 253 ---DKGDKY-----NKGQYQNLSGL-----VTKPPPGDPMPNQPTSV 293
 || : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 398 PYTFDKDKKEYPFTKMDTDQGTYFITTENAKAIEKRKDVSQAKVNGTOKVTP-----TI 451
 QY 294 LIRKYAIGDYS-----KLLEGATQLTGDNVNSIQAARVFSSND-IGERIELSDGT 342
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 452 YFKLYQDKDMQNTIPVDKAIEKIKLEDGTITKVWSNL-----PENDNGKAIK--- 498
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 QY 343 YLTTELN-----SPAGYSIAE-----PI-TFKYEAQKVTTIDGKOTENPNKRI 385
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 499 YLVKEVNAQEDTIPEGYKKENGGLVWTNEKPEITTSISGEKWDKDKNQDGKRPEK-- 556
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 QY 386 VEPYSVEAYNDFEEPSVLTQVTQNYAKFYV---AKNNKNSQVYCFCNADLKSPDSEG 440
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 557 ---VSVNLLANGEKVTLQDVTSETNWKVKPFKDLKYDEG-KKIEVTBHDHVQDYTIDN 612
 QY 441 GKTMPDPDFTEGVKTHIAGDRFLKTVKPRDTDPTFLKHKKVIEK----- 488
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 613 GTTILNKYPGETSATWTKWQDDNNQDKRPTEJKVELYQDGKATGKAILNNSNNWH 672
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 QY 489 -----GYREKGQATEYSGJETQRLRAATQ-----LATYFTDSAEELDKKLKY 532
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 673 TWTGLDEKAKGQQQVKTIVELTKVGYTTVDNNNDMGNLIIVINKYTPETTSISGEKWVD- 731
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 QY 533 HGFGDIMNDSTSLAVAKLVLVEYAQDSNPQPLTDLFIPNNKQYSL---TGTQWHPEDLWD 589
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 732 ---DKDN-----QDGRPKVSN-LLADEGKVTLQDVTSETNWKYE-FKD 772
 QY 590 IIRMEDKKEVIPVTHNLTRKTVGLAGRDKDFHEE-----LKNKQELLSQTVK- 643
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 773 LPKVDGEGKIK-----EYTVT---ELPKVDTTDINGTTINQYGETSATWTKW 820
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 QY 644 -DKTNLE-----PKDGKAT-----INLKIGESTLQGLPE---GYSYLKE- 680
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 821 DDNNNQDGKRPTEIKVELYQDGKATGKTAILESNINWTTWGLDEKAKGQQVKTIVEL 880
 QY 681 TDSECYKVKVNSOEVANAVATSK-----RTGTSBTLAENKKEPVVPGDVQKI--NG 731
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 881 TKVKGYTTHVDNNNDGMNLIVINKYTPETTSISGERVWDDKDKNDQDGKRPEKVSNLANG 939
 | : | : | : | : | : | : | : | : | : | : | : | : | : |

RESULT 15
 US-08-714-402-2
 Sequence 2 Application US/08714402
 Patent No. 591041
 GENERAL INFORMATION:
 APPLICANT: ROCHA, Claudia
 APPLICANT: FISCHETTI, Vincent A.
 TITLE OF INVENTION: FIBRONECTIN AND FIBRINOGEN BINDING
 NUMBER OF INVENTION: PROTEIN FROM GROUP A STREPTOCOCCI
 NUMBER OF SEQUENCES: 2
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
 STREET: P.O. Box 1404
 CITY: Alexandria
 STATE: Virginia
 COUNTRY: United States
 ZIP: 22313-1404
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: pc-DOS/MS-DOS
 SOFTWARE: Patientin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/714,402
 FILING DATE: 16-SEP-1996
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: McGowan, Malcolm K.
 REGISTRATION NUMBER: 39,300
 REFERENCE/DOCKET NUMBER: 016921-097
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (703) 836-6620
 FAX: (703) 836-2021
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1112 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 ; US-08-714-402-2
 Query Match 3.7%; Score 145; DB 2; Length 1112;
 Best Local Similarity 19.8%; Pred. No. 0.0071; Mismatches 327; Indels 324; Gaps 51;
 Matches 190; Conservative 121; Index 327; ;
 QY 21 KNSKRFPTVLU-CWFLMI---FALVTSWNGAKTVFGLVYESPPNAINPDSSSEYRN- 72
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 112 KTSRRIWTVTYENGTKVLVNPYNGEELISKAGSKD-----SSLQLENPKMSVSKYK 166
 QY 73 ---YGYESVYRGHYY-----KQ-----FRVAHDLRVNLEGSSYQVCF 109
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 167 TEVSSGAADFYNRHAYFKMSFEELKDKSETINGGDTFVLQDRLRNPKG----- 217
 QY 110 NLKKAFF-----LGSDSSVKKWVKKHGDISTKEDYA----- 141
 Db 218 -ISQDIPKIVYDANSPLAIGKVKHANHOLIVFTDYIAGLDRVQLSALSILENKEV 276
 QY 142 -----MSPRITGDELNOX-LRVMVYNGHPOANGNIMEGL-----EPLNAIRVTOE 185
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 277 ENTSISNFKSTIGGQEITYKGTVNLYGNESTKESNYTINGLSNVGGSTIESYNT-ETGE 334
 QY 186 AWYYSNDNAPISN-PDESXK-----RESENUSVTSOLSLSMRQLKOLIDNIALTMP 237
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 335 FWVYVYVNPNTNIPYATMNLWGFCRARSNTSDLENNTSSAABLGEIQVYVPEGEKLP 394
 QY 238 KQVPD-----FQLSFSEDESKDNDK-YNKG----- 262
 Db 395 SSYGVDTKILTRDITAGLNGTQMTKQRIDPENNTONKAFTIKVKGKTDQSKPLV 454
 QY 263 -QNLIS-----GG-----LVPTRRPTGDPMPMPNQDPTSVLIRKYA 299
 QY 455 QSNLASFRGASEYAAFTPGGNVYFQNETALSPSKGGSKSEF-TKPSITVANLKVA 512
 Db 300 IGDXSKL-----LEGATQLGTGDNVNSIQAARVFSNSDGE-RIELDGTYLTLEMSP 351
 QY 513 QLRFRKMSTDNVPLIEFAELRSSNGN-OKLEASNSNTOGEVIFRKDLISGTGYDLYETK 571
 QY 352 AGYS-----IAETF-----KVEAGKVTTIDGKQ-IERPNEKEV 387
 Db 572 KGYQOQYTEKLAATVTDTPKAAEVNTWGSFPHSSVYKVEANNEVNTIVNHKETLTFSKKIWE 631
 QY 388 PYSVAYNDFEEPSVLTQVTQNYAKYYAKKNGSSQVYCFCNADLKSPPDSEDGKTMFPD 447
 Db 632 -----NRPD-----ORPAKIQVQLIQLQG-----KMPNQIOE---VTKD 663
 QY 448 FTGEGVKVHTAGDRFLKTVKPKDTPDFTFLKHKKVYEGYREKGQAEYSGTETQ 507
 Db 664 --NDSY-HF--KDLPKVDAKNE-----YKSYVEVNNPDGYKVSYLGNDIFT 708
 QY 508 RAAQOLAIYFTDSAELDKLKVYHGFCDMNSTLAVAKILVEYAQS-NPQLTOLD 565
 | : | : | : | : | : | : | : | : | : | : | : | : | : |
 Db 709 R-ETEFVFSQNNELLEFGNAEIKGQSGSKLIDEDTLTSPKGKWIKAFTAENRPOAQIOVQ 767
 QY 566 FF-----IPNNK'QSLGQTQWHP-----DIV-----D 589
 Db 768 LYAOQAVAVEQQTKEFSGSGNEWSFEFKNLKYNGNDIIVSYKETVPTGYVUTYSAND 827
 QY 590 IIRMEDKKEV-----PYTHNLTTRKTVGLAGRDKDFHEE-LKNNQELLS 638
 Db 828 II-NTKREVITOOGPKLEETLPLESGASG-GTTVVEDSRPDVTLGLSSEQGSGD 883
 QY 639 OTWTKD-TNLEFK---DGK---ATINLKIGESTLQG-----LPEGEYSYL 677
 Db 884 MTIEDDSATHIKEFSKRDIDGKELAGATMLRDSSGKTIWSDGQVDFLYMPGKVTE- 942

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QY 678 VKETDSRGYKV-----KVNSEEVANATVSKIGITSPEETLAENNKEPVVPTG---WDQ 727
|: :|: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |: |:
DB 943 VETAAPDGYEIAITAIFTVNEO--GOVTUNGKATKGDTIIVWADAYKPTKGSGQVIDEE 1000

QY 728 KI 729
|: |:
DB 1001 KL 1002

Search completed: August 19, 2003, 15:23:25
Job time : 48 secs

